Title (en)

5-SUBSTITUTED INDOL-3-CARBOXYLIC ACID DERIVATIVES EXHIBITING ANTIVIRAL ACTIVITY A METHOD FOR THE PRODUCTION AND USE THEREOF

Title (de)

5-SUBSTITUIERTE INDOL-3-CARBONSÄUREDERIVATE MIT ANTIVIRALER WIRKUNG SOWIE VERFAHREN ZU IHRER HERSTELLUNG UND VERWENDUNG

Title (fr)

DÉRIVÉS 5-SUBSTITUÉS DE L'ACIDE INDOL-3-CARBONIQUE POSSÉDANT UNE ACTIVITÉ ANTIVIRALE, PROCÉDÉ DE FABRICATION ET D'UTILISATION

Publication

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Application

EP 08845963 A 20081001

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Abstract (en)

[origin: EP2213660A1] 5-SUBSTITUTED INDOL-3-CARBOXYLIC ACID DERIVATIVES EXHIBITING ANTIVIRAL ACTIVITY, A METHOD FOR THE PRODUCTION AND USE THEREOF The invention relates to novel antiviral compounds of general formula (I), where B is -N(R) 2 or -O-(CH 2)nN(R) 2 groups, in which n is a whole number selected from 0, 1, 2, 3 and 4, each R is independently selected from C 1-4 alkyl and can be identical or different, or both groups R together with a nitrogen atom, to which they are bonded, form a 5-6-membered heterocyclic ring containing 1-2 heteroatoms selected from nitrogen, oxygen and sulphur, such as pyrrolidine, piperidine, piperazine, morpholine or thyomorpholine, at which each of above-mentioned heterocyclic rings can be substituted by C 1-4 alkyl, phenyl, benzyl, phenetyl, carbonylamino, -COOC 1-4 alkyl group or -COOC 1-4 alkyl group and phenyl, which also can be substituted and have substituents selected from halogen, C 1-4 alkyl, C 1-4 alkoxy, and alkyl in said groups can be linear or branched; R 1 is C 1-4 alkyl, phenyl optionally substituted by C 1-4 alkyl or C 1-4 alkoxy, halogen atoms, naphthyl; R 2 is C 1-4 alkyl, -S-phenyl, -S-benzyl, -O-phenyl, O-benzyl, wherein in each of the above-mentioned groups the phenyl ring is optionally substituted by C 1-4 alkyl, C 1-4 alkoxy, halogen atoms, or R 2 is an -NR 3 R 4 group, in which R 3 and R 4 , each is independently selected from C 1-4 alkyl and can be identical or different, or both R 3 and R 4 groups together with a nitrogen atom, to which they are bonded, form a 5-6-membered nitrogen-containing heterocyclic ring having the above mentioned meaning for the N(R) 2 group; X is hydrogen or a halogen atom selected from Br, Cl, I and pharmaceutically acceptable salts thereof. The invention also relates to intermediate products of the general formula (II) and a method for obtainment of the compounds.

IPC 8 full level

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